

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Currently Amended) A system comprising:
a processor configured to detect when a wireless mobile unit is in [[an]] a high data rate area, said processor being configured to determine a need for exchanging data between said wireless mobile unit and a base station; and
a data burst optimizer configured to exchange said data between said wireless mobile unit and said base station when the processor detects said wireless mobile unit is in said high data rate area and the processor determines a need for exchanging data between the wireless mobile unit and the base station.
2. (Original) The system of claim 1 wherein said processor invokes said data burst optimizer to exchange said data between said wireless mobile unit and said base station when said wireless mobile unit is in said high data rate area.
3. (Original) The system of claim 2 wherein said data burst optimizer is configured to continuously detect when said wireless mobile unit is in said high data rate area.
4. (Original) The system of claim 2 wherein said data burst optimizer transmits a logon name and password to said base station to authenticate said wireless mobile unit.
5. (Original) The system of claim 3 wherein said data burst optimizer is configured to stop exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is not in said high data rate area.
6. (Currently Amended) A wireless communication system comprising:
means for detecting when a wireless mobile unit is in an HDR (High Data Rate) area;

means for determining a need to exchange data between said wireless mobile unit and a base station; and

means for exchanging said data between said wireless mobile unit and said base station when the wireless mobile unit is in said high data rate area and there is a need for exchanging data between the wireless mobile unit and the base station.

7. (Original) The wireless communication system of claim 6 wherein said detecting means invokes said exchanging means to exchange said data when said wireless mobile unit is in said high data rate area.

8. (Original) The wireless communication system of claim 6 wherein said detecting means invokes said exchanging means to exchange said data when said wireless mobile unit is in said high data rate area and when said determining means determines said need to exchange said data between said wireless mobile unit and said base station.

9. (Original) The wireless communication system of claim 7 wherein said exchanging means continuously detects when said wireless mobile unit is in said high data rate area.

10. (Original) The wireless communication system of claim 7 wherein said exchanging means transmits a logon name and password to said base station to authenticate said wireless mobile unit.

11. (Original) The wireless communication system of claim 9 wherein said exchanging means stops an exchange of said data between said wireless mobile unit and said base station when said wireless mobile unit is not in said high data rate area.

12. (Currently Amended) A method for exchanging data between a wireless mobile unit and a base station, said method comprising ~~steps of~~:

detecting when said wireless mobile unit is in ~~[[an]]~~ a high data rate area;

determining a need for exchanging said data between said wireless mobile unit and said base station;

invoking a data burst optimizer to synchronize an exchange of said data between said wireless mobile unit and said base station when there is a need for exchanging data between said wireless mobile unit and a base station; and

exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is in said high data rate area.

13. (Currently Amended) The method of claim 12 further comprising ~~a step of~~:

transmitting a logon name and password to said base station to authenticate said wireless mobile unit after said invoking ~~step~~ and prior to said exchanging ~~step~~.

14. (Currently Amended) ~~The method of claim 12 further comprising steps of:~~ A method for exchanging data between a wireless mobile unit and a base station, said method comprising:

detecting when said wireless mobile unit is in a high data rate area;

determining a need for exchanging said data between said wireless mobile unit and said base station;

invoking a data burst optimizer to synchronize an exchange of said data between said wireless mobile unit and said base station;

exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is in said high data rate area;

invoking an application database in said wireless mobile unit; and

authenticating at least one application in said application database with said base station.

15. (Currently Amended) The method of claim 12 further comprising ~~a step of~~:

pinging said base station to detect when said wireless mobile unit is in said high data rate area after said invoking ~~step~~ and prior to said exchanging ~~step~~.

16. (Currently Amended) The method of claim 15 wherein said ping ~~step~~ is performed by said data burst optimizer.

17. (Currently Amended) A method for exchanging data between a wireless mobile unit and a base station, said method comprising ~~steps of~~:

detecting when said wireless mobile unit is in ~~[[an]]~~ a high data rate area;

determining a need to exchange data between said wireless mobile unit and said base station;

invoking a data burst optimizer to synchronize an exchange of said data between said wireless mobile unit and said base station;

transmitting a logon name and password from said wireless mobile unit to said base station to authenticate said wireless mobile unit; and

exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is in said high data rate area.

18. (Currently Amended) ~~The method of claim 17 further comprising steps of:~~ A method for exchanging data between a wireless mobile unit and a base station, said method comprising:

detecting when said wireless mobile unit is in a high data rate area;

determining a need to exchange data between said wireless mobile unit and said base station;

invoking a data burst optimizer to synchronize an exchange of said data between said wireless mobile unit and said base station;

transmitting a logon name and password from said wireless mobile unit to said base station to authenticate said wireless mobile unit;

exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is in said high data rate area;

invoking an application database in said wireless mobile unit after said transmitting ~~step~~;
and

authenticating at least one application in said application database with said base station prior to said exchanging ~~step~~.

19. (Currently Amended) The method of claim 17 further comprising ~~a step of~~:

pinging said base station to detect when said wireless mobile unit is in said high data rate area after said invoking ~~step~~ and prior to said transmitting ~~step~~.

20. (Currently Amended) The method of claim 19 wherein said ping ~~step~~ is performed by said data burst optimizer.

21. (Currently Amended) The method of claim 17 wherein said invoking ~~step~~ is performed by a processor in said wireless mobile unit.

22. (Currently Amended) A method for exchanging data between a wireless mobile unit and a base station, said method comprising ~~steps of~~:

detecting when said wireless mobile unit is in ~~[[an]]~~ a high data rate area;

determining a need to exchange data between said wireless mobile unit and said base station;

invoking a data burst optimizer to synchronize an exchange of said data between said wireless mobile unit and said base station;

transmitting a logon name and password from said wireless mobile unit to said base station to authenticate said wireless mobile unit;

invoking an application database in said wireless mobile unit;

authenticating at least one application in said application database with said base station;

and

exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is in said high data rate area.

23. (Currently Amended) The method of claim 22 further comprising ~~a step of~~:

pinging said base station to detect when said wireless mobile unit is in said high data rate area after said ~~step of~~ invoking said data burst optimizer and prior to said transmitting ~~step~~.

24. (Currently Amended) The method of claim 23 wherein said ping ~~step~~ is performed by said data burst optimizer.

25. (Currently Amended) The method of claim 22 wherein said ~~step of~~ invoking said data burst optimizer is performed by a processor in said wireless mobile unit.

26. (Currently Amended) A computer readable medium including a computer program, said computer program implementing a method for exchanging data between a wireless mobile unit and a base station, said computer program comprising:

a first code segment for detecting when said wireless mobile unit is in ~~[[an]]~~ a high data rate area;

a second code segment for determining a need for exchanging said data between said wireless mobile unit and said base station;

a third code segment for invoking a data burst optimizer to synchronize an exchange of said data between said wireless mobile unit and said base station; and

a fourth code segment for exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is in said high data rate area.

27. (Original) The computer readable medium of claim 26 wherein said computer program further comprises:

a fifth code segment for transmitting a logon name and password to said base station to authenticate said wireless mobile unit.

28. (Currently Amended) ~~The computer readable medium of claim 27 wherein said computer program further comprises:~~ A computer readable medium including a computer program, said computer program implementing a method for exchanging data between a wireless mobile unit and a base station, said computer program comprising:

a first code segment for detecting when said wireless mobile unit is in a high data rate area;

a second code segment for determining a need for exchanging said data between said wireless mobile unit and said base station;

a third code segment for invoking a data burst optimizer to synchronize an exchange of said data between said wireless mobile unit and said base station;

a fourth code segment for exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is in said high data rate area;

a fifth code segment for transmitting a logon name and password to said base station to authenticate said wireless mobile unit;

a sixth code segment for invoking an application database in said wireless mobile unit;
and

a seventh code segment for authenticating at least one application in said application database with said base station.

29. (Original) The computer readable medium of claim 28 wherein said computer program further comprises:

an eighth code segment for pinging said base station to detect when said wireless mobile unit is in said high data rate area.

30. (New) The system of Claim 1 further comprising a signal strength indicator operable to indicate whether a carrier signal from the base station is above a predetermined level.

31. (New) The method of Claim 12, wherein said detecting when said wireless mobile unit is in a high data rate area comprises determining whether a carrier signal from the base station is above a predetermined level.

32. (New) The method of Claim 12, wherein said exchanging data occurs at a speed of 2.4 Megabits per second (Mbps).